

Please amend the present application as follows:

Claims

The following is a copy of Applicant's claims that identifies language being added with underlining ("___") and language being deleted with strikethrough ("—"), as is applicable:

1. (Currently amended) A universal power supply, comprising:
a power control unit including a voltage adjustment component, a current regulation component, a detector configured to detect connection to a consumer appliance by providing a voltage to the consumer appliance and detecting an impedance current variation, and a controller ~~that is~~ configured to read data from a the consumer appliance and determine a voltage requirement and an amperage tolerance of the consumer appliance, the controller further being configured to control the voltage adjustment component and the current regulation component so as to supply a required voltage that does not exceed the amperage tolerance of the consumer appliance.

2. (Original) The supply of claim 1, wherein the voltage adjustment component converts alternating current (AC) voltage from a power source to direct current (DC) power.

3. (Original) The supply of claim 2, wherein the voltage adjustment component is configured to control the DC voltage supplied to the consumer appliance.

4. (Original) The supply of claim 1, wherein the current regulation component is configured to control the current supplied to the consumer appliance.

5. (Original) The supply of claim 1, further comprising a cord that is adapted to connect the power control unit to a power source.

6. (Original) The supply of claim 1, further comprising a cord that is adapted to connect the power control unit to the consumer appliance.

7. (Original) The supply of claim 6, wherein the cord comprises an appliance connector that is adapted to connect to a mating connector of the consumer appliance.

8. (Original) The supply of claim 7, wherein the cord comprises a positive conductor, a ground conductor, and a data conductor.

9. (Original) The supply of claim 8, wherein the data conductor is configured to connect with a memory element of the consumer appliance.

10. (Original) The supply of claim 1, further comprising a controller power supply that supplies direct current (DC) power to the controller.

11-21. (Canceled)

22. (Currently amended) A method for supplying power to a consumer appliance, the method comprising:

detecting connection of a power supply with a consumer appliance by providing a voltage to a memory element of the consumer appliance and detecting an impedance current variation;

reading data stored in a the memory element ~~of the consumer appliance;~~

determining a voltage requirement and an amperage tolerance of the consumer appliance; and

controlling the power supply so as to provide the required voltage at an amperage that does not exceed the amperage tolerance to the consumer appliance.

23. (Canceled)

24. (Original) The method of claim 22, wherein reading data comprises reading two bytes of data, a first byte comprising a voltage requirement for the consumer appliance and a second byte comprising an amperage tolerance for the consumer appliance.

25. (Original) The method of claim 22, wherein controlling the power supply comprises controlling a voltage adjustment component and a current regulation component of the power supply.

26. (Currently amended) A system for supplying power to a consumer appliance, the system comprising:

means for detecting connection of a power supply to a consumer appliance, the means configured to provide a voltage to a memory element of the consumer appliance and detect an impedance current variation;

means for determining a voltage requirement and an amperage tolerance of the consumer appliance; and

means for automatically controlling the power supply so as to provide the required voltage at an amperage that does not exceed the amperage tolerance to the consumer appliance.

27. (Canceled)

28. (Original) The system of claim 26, wherein the means for determining comprise means for reading a memory element of the consumer appliance.

29. (Original) The system of claim 28, wherein the means for determining further comprise means for reading two bytes of data from the memory element, a first byte comprising a voltage requirement for the consumer appliance and a second byte comprising an amperage tolerance for the consumer appliance.

30. (Original) The system of claim 26, wherein the means for controlling the power supply comprise a voltage adjustment component and a current regulation component of the power supply.

31. (Currently amended) A system stored on a computer-readable medium, comprising:

logic configured to detect connection with a consumer appliance by providing a voltage to the consumer appliance and detecting an impedance current variation;

logic configured to read data from a consumer appliance and determine a voltage requirement and an amperage tolerance of the consumer appliance from that data; and

logic configured to control a power supply so as to provide a required voltage at an amperage that does not exceed the amperage tolerance to the consumer appliance.

32. (Original) The system of claim 31, wherein the logic configured to read data comprises logic configured to read data from a passive memory element of the consumer appliance, the passive memory element comprising data that identifies a voltage requirement and an amperage tolerance.

33. (Currently amended) The system of claim ~~31~~ 32, ~~further comprising~~
wherein the logic configured to detect connection to the consumer appliance comprises
logic configured to detect connection by providing a voltage to the passive memory
element.